

Patent  
Attorney's Docket No. 032475-001

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of ) **BOX AF**  
Frederic KLEIN et al ) Group Art Unit: 1645  
Application No.: 09/155,982 ) Examiner: Virginia Allen Portner  
Filed: October 9, 1998 ) Confirmation No.: 9420  
For: MEANS FOR DETECTING )  
BACTERIA OF THE TAYLORELLA )  
EQUIGENITALIS SPECIES AND )  
THEIR BIOLOGICAL )  
APPLICATIONS )

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**REPLY AND AMENDMENT**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

In complete response to the Final Office Action mailed October 11, 2002, please  
amend the above-identified application as follows.

**IN THE CLAIMS:**

Kindly replace claims 17, 19, 23, 26-28, 30 and 38 as follows.

17. (Thrice Amended) Isolated monoclonal antibodies or their Fv, Fab, and  
F(ab')<sup>2</sup> fragments, which recognize an epitope of a bacterium of each of seven wild-type  
strains of the species *Taylorella equigenitalis* (*T. equigenitalis*), and which do not exhibit a  
crossed reaction with *Klebsiella pneumoniae*, *Pseudomonas fluorescens*, *Staphylococcus*  
*aureus*, *Streptococcus equi*, *Pasteurella haemolytica*, *Pasteurella multocida*, *Pseudomonas*  
*aeruginosa* and *Actinobacillus equuli*.